



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

## **NOTICE OF ACCEPTANCE (NOA)**

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**ITW, Inc. /Division of Buildex  
1349 West Bryn Mawr Ave.  
Itasca, IL 60143**

### **SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### **DESCRIPTION: Tapcon Masonry Fasteners.**

**APPROVAL DOCUMENT:** Drawing No.01-372, Sheets 1 of 1, titled "Tapcon Masonry Fasteners" dated 06/22/01 with last revision on 08/08/02, prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, PE, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance (NOA) number and expiration date by the Miami-Dade County Product Control Division.

### **MISSILE IMPACT RATING: None**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 02-0311.03** and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 03-0114.03  
Expiration Date: February 20, 2008  
Approval Date: March 13, 2003  
Page 1**

**ITW, Inc. /Division of Buildex**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **01-372**, Sheets 1 of 1, titled "Tapcon Masonry Fasteners" dated 06/22/01 with last revision on 08/08/02, prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, PE.

**B. TESTS**

	Laboratory	Test Report	Date	Signature
01.	Heti 00-4160	ASTM E488	10/25/00	H. M. Medina, PE.
02.	Heti 00-4092	ASTM E488	02/25/00	H. M. Medina, PE.
03.	Heti 00-4153	ASTM E488	10/25/00	H. M. Medina, PE
04.	Heti 00-4072	ASTM E 488	02/25/00	H. M. Medina, PE.
05.	Heti 01-5029	ASTM E.488	05/07/01	H. M. Medina, PE.
06.	Heti 01-5027	ASTM E 488	05/07/01	H. M. Medina, PE
07.	PRI 01078	Protocol PA 114	08/27/01	C. L. Thomas, PE
08.	PRI 01079	Protocol PA 114	08/27/01	C. L. Thomas, PE
09.	ARL 30291	ASTM E488	01/22/02	C. A. Hamon, PE
10.	ARL 30292	ASTM E488	01/29/02	C. A. Hamon, PE
11.	ARL 30299	ASTM E488	01/30/02	C. A. Hamon, PE
12.	ARL 30294	ASTM E488	01/30/02	C. A. Hamon, PE.
13.	Heti 01-C109	ASTM C39	01/16/01	H. M. Medina, PE
14.	MTS 25-7654-PS	Protocol PA 114	06/03/96	H. M. Medina, PE

**C. CALCULATION**

1. None

**D. MATERIAL CERTIFICATIONS**


1. None

**E. STATEMENTS**

1. None

**F. OTHER**

1. Notice of Acceptance No. 02-0311.03 ITW, Inc. /Division of Buildex, for their "Tapcon Masonry Fasteners", approved on 9/26/02 and expiring on 2/20/03.



Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-0114.03

Expiration Date: February 20, 2008

Approval Date: March 13, 2003

# ITW BUILDIX TAPCON

## DESCRIPTION

ITW BUILDIX TAPCON ANCHORS ARE MANUFACTURED FROM HEAT TREATED STEEL AND HAVE AN ALTERNATING HIGH LOW THREAD FORM. THESE ANCHORS HAVE BEEN TESTED FOR CORROSION RESISTANCE ACCORDING TO PA114.

ITW BUILDIX TAPCON ANCHORS ARE ALSO MANUFACTURED WITH ULTRASHIELD OR WHITE ULTRASHIELD CORROSION RESISTANT COATINGS IN ACCORDANCE WITH ASTM G85 AND MIAMI-DADE COUNTY PROTOCOL TAS-144, E.

## NOTES:

- 1.) ANCHOR INSTALLATION SHALL BE MADE IN ACCORDANCE WITH ITW BUILDIX PUBLISHED INSTALLATION INSTRUCTIONS IN THE PRODUCT & RESOURCE BOOK AND THIS MIAMI-DADE COUNTY, FLORIDA B.C.C.O. NOTICE OF ACCEPTANCE.
- 2.) CONCRETE WILL CONFORM TO AMERICAN CONCRETE INSTITUTE MANUAL OF CONCRETE PRACTICE ACI 301.
- 3.) HOLLOW AND GROUT FILLED CONCRETE BLOCKS SHALL CONFORM TO ASTM C-90.
- 4.) REFERENCE HURRICANE ENGINEERING & TESTING INC. TEST REPORTS;

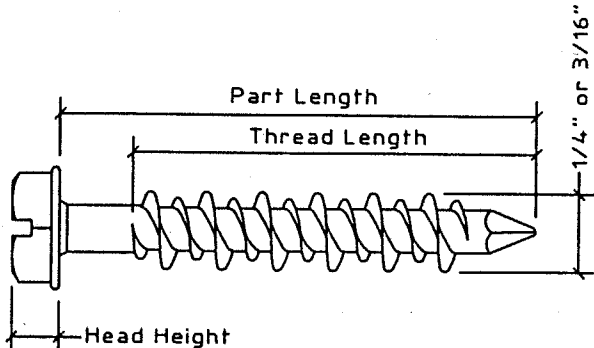
HETI 00 4072 DATED 02/25/00  
HETI 00 4153 DATED 10/25/00  
HETI 00 4160 DATED 10/25/00  
HETI 00 4092 DATED 02/25/00  
HETI 01 5027 DATED 05/07/01  
HETI 01 5029 DATED 05/07/01

AND PRI ASPHALT TECHNOLOGIES, INC. TEST REPORTS;

PR101079 DATED 08/27/01  
PR101078 DATED 08/27/01

AND APPLIED RESEARCH LABORATORIES TEST REPORTS;

ARL-30291 DATED 01/22/02  
ARL-30292 DATED 01/29/02  
ARL-30299 DATED 01/30/02  
ARL-30294 DATED 01/30/02



## 3/16" OR 1/4" TAPCON HEAD STYLES

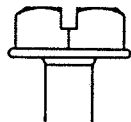
410 STAINLESS  
STEEL HEAD  
MARKINGS



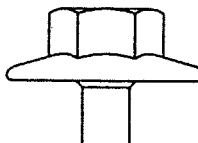
CARBON STEEL  
HEAD  
MARKINGS



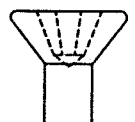
SLOTTED HEX  
WASHER HEAD



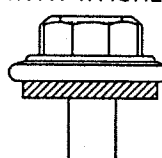
MAXI-SET HEX  
WASHER HEAD



PHILLIPS  
FLAT HEAD



SCOTS STAINLESS  
STEEL HEAD  
WITH WASHER



## 3/16" DIA. TAPCON

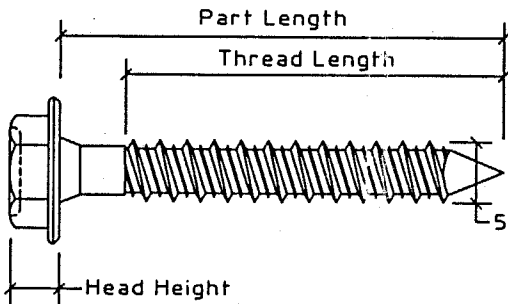
- 1) FOR 3/16" TAPCON, PILOT HOLE DIAMETER SHALL BE 0.171" AND DRILLED 1/4" LONGER THAN THE NECESSARY EMBEDMENT.
- 2) ALLOWABLE LOADS ARE BASED ON ULTIMATE TEST LOAD DIVIDED BY 4.
- 3) RECOMMENDED CENTER TO CENTER DISTANCE OF 2-1/4" IS REQUIRED FOR 100% EFFICIENCY AND 1-1/8" FOR 50% EFFICIENCY.

## 1/4" DIA. TAPCON

- 1) FOR ALL 1/4" TAPCON, PILOT HOLE DIAMETER SHALL BE 0.200" AND DRILLED 1/4" LONGER THAN THE NECESSARY EMBEDMENT.
- 2) ALLOWABLE LOADS ARE BASED ON ULTIMATE TEST LOAD DIVIDED BY 4.
- 3) RECOMMENDED CENTER TO CENTER DISTANCE OF 3" IS REQUIRED FOR 100% EFFICIENCY AND 1-1/2" FOR 50% EFFICIENCY.

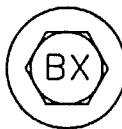
## 5/16" (XL) TAPCON

- 1) PILOT HOLE DIAMETER SHALL BE 0.263" AND DRILLED 1/4" LONGER THAN THE NECESSARY EMBEDMENT.
- 2) ALLOWABLE LOADS ARE BASED ON ULTIMATE TEST LOAD DIVIDED BY 4.
- 3) RECOMMENDED CENTER TO CENTER DISTANCE OF 3-3/4" IS REQUIRED FOR 100% EFFICIENCY AND 1-7/8" FOR 50% EFFICIENCY.
- 4) EMBEDMENT IS THROUGH 1-1/4" FACE SHELL OF HOLLOW BLOCK.
- 5) WOOD BUCK IS LOCATED BETWEEN CONCRETE AND SIDE MEMBER.



## 5/16" (XL) TAPCON HEAD STYLES

HEX  
WASHER HEAD



FLAT HEAD



BUTTON  
HEAD



PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 03-0114.03  
Expiration Date 02/20/03  
By *Glenore Leiman*  
Miami Dade Product Control  
Division

SEE NOTE 4

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